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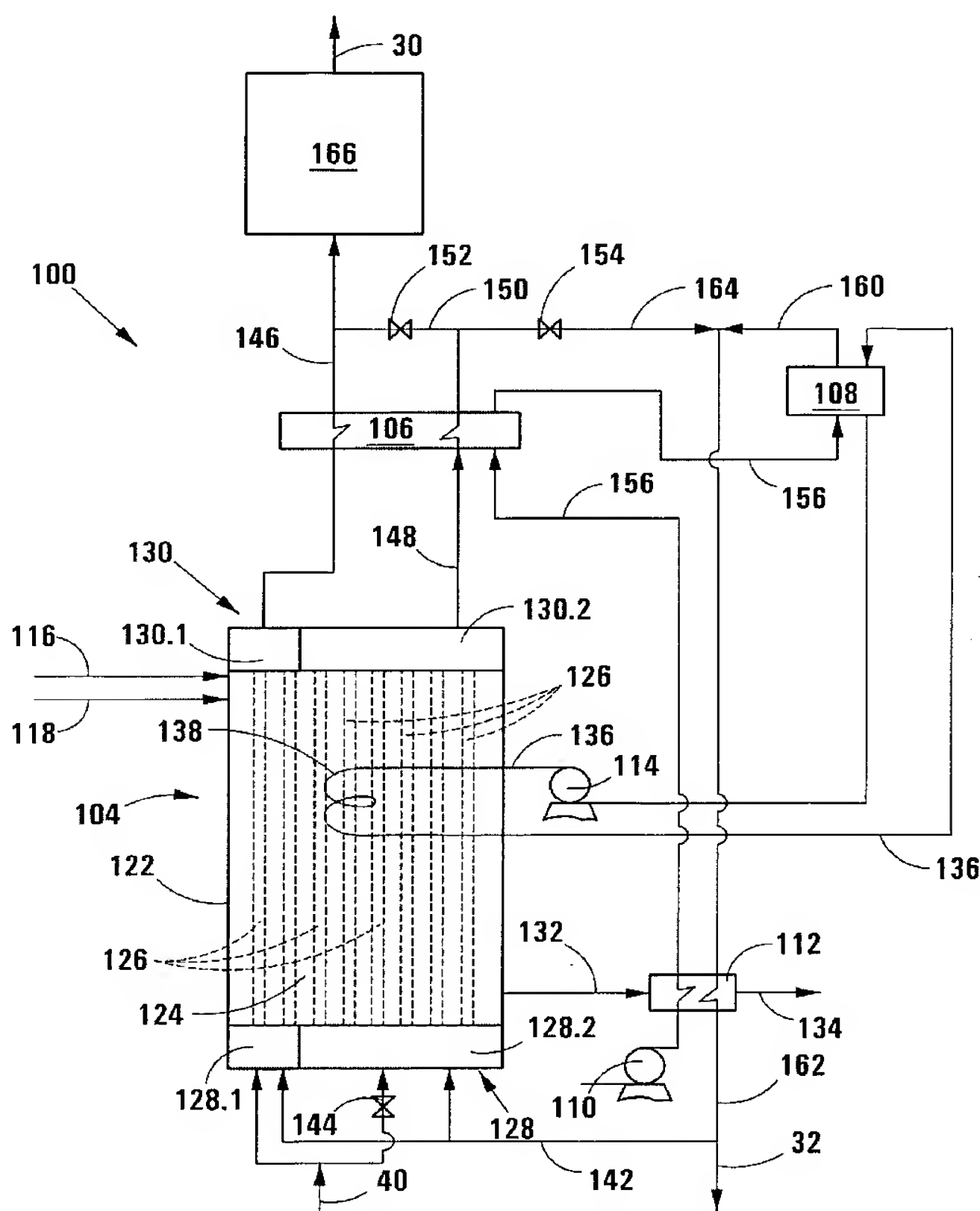
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(54) Title: SUPPLY OF STEAM AND HYDROGEN TO A PROCESS OR PLANT PRODUCING SYNTHESIS GAS



(57) Abstract: A method of supplying steam and a hydrogen feedstock to a primary process for producing synthesis gas includes, in a reformer of a secondary process which comprises a plurality of catalyst containing reforming passages, combusting a fuel to heat all of the reforming passages, whilst producing a hot synthesis gas by reforming a hydrocarbonaceous gas in the presence of process steam in some of the catalyst containing reforming passages only. The hot synthesis gas is cooled to produce steam which is supplied to the primary process. The cooled synthesis gas is treated to produce a hydrogen feedstock which is supplied to the primary process. The reforming passages not producing hot synthesis gas are cooled by passing a cooling medium through them and the hot synthesis gas exiting some of the reforming passages is separated from the cooling medium exiting other reforming passages.



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